

CLAIMS:

Sub A1
1. A yoke component, made from a low carbon steel, for making up a magnetic circuit of a voice coil motor for a hard disk drive, wherein said yoke component has on any ridge line thereof no burr of 0.5 mm or less in thickness.

2. A deburring method of removing burrs present on the surface of a yoke component, made from a low steel carbon steel, of a voice coil motor for a hard disk drive, comprising:

a first step of subjecting said yoke component to a barrel polishing treatment; and

a second step of subjecting said yoke component to at least one of an abrasive grain fluidization treatment, a thermal deburring treatment, a magnetic polishing treatment, an ultrasonic deburring treatment, and a water jet deburring treatment.

3. A deburring method according to claim 2, further comprising a third step of subjecting said yoke component to a chemical polishing treatment.

4. A deburring method according to claim 2, wherein the thickness of each of said burrs to be removed by said steps is in a range of 0.5 mm or less.

5. A deburring method according to claim 2, wherein said burrs have been produced by shearing work upon manufacture of said yoke component.

Sub A2
6. A voice coil motor for a hard disk drive, comprising:
a yoke component, made from a low carbon steel, for making up a magnetic circuit of said voice coil motor, wherein said yoke component has on any ridge line thereof no burr of 0.5 mm or less in thickness.

7. A voice coil motor for a hard disk drive, comprising:
a yoke component made from a low carbon steel,
wherein burrs present on the surface of said yoke
component are removed by subjecting said yoke component to a
5 barrel polishing treatment, and then subjecting said yoke
component to at least one of an abrasive grain fluidization
treatment, a thermal deburring treatment, a magnetic
polishing treatment, an ultrasonic deburring treatment, and
a water jet deburring treatment.

add
A3

008060" 4T085960